

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(Currently Amended) A multiview display device for displaying multiple views for observation at different observation angles relative to the multiview display device including at a first observation angle and a second observation angle, the multiple views having respective viewing angles related to an object to be displayed, the display device comprising:

an optical device configured to display multiple viewing cones, a first cone of the multiple viewing cones comprises different views so that a different view is observed by a right eye and a left eye of a viewer of the multiview display device, the different views of the first cone having an angular distribution relative to the display device; and

a processor configured to provide the optical device with sets of image data corresponding to the respective views, whereby the sets of image data are provided such that:

the angular distribution has a first part of adjacent views with increasing viewing

angle and a second part of adjacent views with decreasing viewing angle;

~~a difference between viewing angles of adjacent views belonging to two different adjacent viewing cones is minimized~~ a viewing angle corresponding to the first observation angle of a first view at a first boundary of the first viewing cone and a viewing angle corresponding to the second observation angle of a second view at a second boundary of the first viewing cone is minimized; and

the angular distribution has a first one of the views in between a maximum view which corresponds to a maximum viewing angle and a minimum view which corresponds to a minimum viewing angle.

2.(Previously Presented) The multiview display device as claimed in claim 1, whereby the first part of adjacent views comprises a first number of views and the second part comprises a second number of views, a difference between the first number and the second number being minimal.

3.(Previously Presented) The multiview display device as claimed in claim 1, whereby the first part of adjacent views comprises a first number of views and the second part comprises a second number of views, the first number being higher than the second number but being lower than four times the second number.

4.(Previously Presented) The multiview display device as claimed in claim 1, whereby the first part of adjacent views comprises a first number of views and the second part comprises a second number of views, the first number being higher than the second number, whereby a portion of the sets of image data corresponding to one or more of the adjacent views with decreasing viewing angle has been blurred.

5.(Previously Presented) The multiview display device as claimed in claim 1, whereby a portion of the sets of image data is blurred, the amount of blur being applied to the adjacent views being related to the viewing angle.

6.(Previously Presented) The multiview display device as claimed in claim 1, whereby a first one of the sets of image data corresponding to a second one of the views which belongs to the first part, also corresponds to a third one of the views which belongs to the second part.

7.(Previously Presented) The multiview display device as claimed in claim 1, whereby the processor is further configured to provide the sets of image data such that the first one of the multiple viewing cones has the angular distribution at a first moment in time and has a further angular distribution at a second moment in time, the further angular distribution being different from the angular distribution.

8.(Previously Presented) The multiview display device as claimed in claim 7, comprising a shot-cut detector being arranged to control the processor in order to switch between the angular distribution and the further angular distribution on basis of a detected shot-cut in the image data.

9.(Previously Presented) The multiview display device as claimed in claim 1, comprising a further optical device configured to display further viewing cones, a second one of the further multiple viewing cones having a second angular distribution of the views relative to the display device being substantially different from the angular distribution.

10.(Currently Amended) A method of driving a multiview display device for displaying multiple views for observation at different observation angles relative to the multiview display device including at a first observation angle and a second observation angle, the multiple views having respective viewing angles related to an object to be displayed, the method comprising the act of:

displaying by an optical device multiple viewing cones, a first cone of the multiple viewing cones comprises different views so that a different view is observed by a right eye and a left eye of a viewer of the multiview display device, the different views of the first cone having an angular distribution of the views relative to the display device; and

providing the optical device with sets of image data corresponding to the respective views such that:

the angular distribution has a first part of adjacent views with increasing viewing angle and a second part of adjacent views with decreasing viewing angle;

~~minimizing a difference between viewing angles of adjacent views belonging to two different adjacent viewing cones is minimized~~ a viewing angle corresponding to the first observation angle of a first view at a first boundary of the first viewing cone and a viewing angle corresponding to the second observation angle of a second view at a second boundary of the first viewing cone; and

the angular distribution has a first one of the views in between a maximum view which corresponds to a maximum viewing angle and a minimum view which corresponds to a minimum viewing angle.

11.(Currently Amended) A computer program product to be loaded by a computer arrangement, comprising instructions to drive a multiview display device for displaying multiple views for observation at different observation angles relative to the multiview display device including at a first observation angle and a second observation angle, the multiple views having respective viewing angles related to an object to be displayed, the display device comprising:

an optical device configured to display multiple viewing cones, a first cone of the

multiple viewing cones comprises different views so that a different view is observed by a right eye and a left eye of a viewer of the multiview display device, the different views of the first cone having an angular distribution of the views relative to the display device; and

a driver configured to provide the optical device with sets of image data corresponding to the respective views, the computer arrangement comprising a processor and a memory, the computer program product, after being loaded in the memory, providing said processor with a capability to provide the sets of image data to the driver such that:

the angular distribution has a first part of adjacent views with increasing viewing angle and a second part of adjacent views with decreasing viewing angle;

minimizing a difference between viewing angles of adjacent views belonging to two different adjacent viewing cones is minimized a viewing angle corresponding to the first observation angle of a first view at a first boundary of the first viewing cone and a viewing angle corresponding to the second observation angle of a second view at a second boundary of the first viewing cone; and

the angular distribution has a first one of the views in between a maximum view which corresponds to a maximum viewing angle and a minimum view which corresponds to a minimum viewing angle.